Solve the word problems. Show your work.

a. The Garcia family volunteers at the Chestnut Street Community Garden. \( \frac{1}{2} \) of the garden is used for growing vegetables. \( \frac{1}{4} \) of the vegetable section is used for growing tomatoes. What fraction of the garden is used for growing tomatoes?

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b. Mrs. Garcia picked \( \frac{4}{5} \) of a pound of tomatoes from the garden. She used \( \frac{5}{6} \) of what she picked to make a batch of salsa. How many pounds of tomatoes did Mrs. Garcia use to make her salsa?

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c. \( \frac{1}{6} \) of the garden is used for growing petunias. \( \frac{3}{4} \) of the petunias are pink. What fraction of the garden is pink petunias?

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d. \( \frac{1}{2} \) of the people who live in the neighborhood volunteer at the community garden. \( \frac{3}{5} \) of those volunteers are teenagers. What fraction of the volunteers are teenagers?

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